In the Abstract: please replace the Abstract of the Disclosure with the following:

An external memory engine selectable pipeline architecture provides external memory to a multi-thread packet processor which processes data packets using a multi-threaded pipelined machine wherein no instruction depends on a preceding instruction because each instruction in the pipeline is executed for a different thread. The route switch packet architecture transfers a data packet from a flexible data input buffer to a packet task manager, dispatches the data packet from the packet task manager to a multi-threaded pipelined analysis machine, classifies the data packet in the analysis machine, modifies and forwards the data packet in a packet manipulator.